# E - Athenaeum

**Project Abstract**

**Version 1.0**



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# Purpose of this document

The purpose of this document is to document the technical design, component details, and Database design. This will also capture the scope, assumptions, risk, and dependencies of this project.

## 1.1 Project Overview

E - Athenaeum is an online Library Management System that eases the process of book administration and management. Library Management compiles information about the books present in the library, their authors, the members of the library to whom the books are issued,etc. If done manually, it is a tedious task and requires strong manual labor. This complex task, with the advancement of technology, can be eased and performed faster. Thus, the main motive of this project is to computerize and automate these operations and increase the accessibility of users. This computerization of the library aids in many instances of its maintenance as it reduces the workload of management since most of the manual work is reduced. The project inculcates many features which are generally not available in normal library management systems like the facility of user login and profile management. It gives access to a facility through which the admin can monitor the whole system. Along with this, a facility where users, after logging in to their accounts can see a list of books issued and view the complete book inventory. The admin after logging into his/her account can efficiently manage the e-library with features like author management, publisher management, etc.Overall, this project of ours has been designed to assist the students as well as staff of the library to maintain the library in the best way possible with reduced human efforts.

## 1.2 Key Features:

* Static Home page
* Member registration
* Member login
* Member profile page
* Book Issue page
* Admin Login
* Search Books
* Page for author details
* Page for publisher details
* Book Inventory
* Member management page

## 1.3 Platform used:

* C#
* ASP.net
* SQL Server
* HTML
* Bootstrap

# Business Case

## Static Home page

A static web page is a web page that is delivered to the user's web browser exactly as stored, in contrast to dynamic web pages which are generated by a web application. With the contrast E- Athemaeum portal will be using similar page for better user optimization.

## Member registration

This allows new users to register in the portal to use all the resources.

## Member login

Member login provides user a platform to allow successful login and view resources in the stock.

## Member profile page

The member profile page allow users to use all the resources in one place. All the book issue and details can be accessed from here.

## Book Issue page

Issuing the book may be time consuming. A person has to find the book physically before issuing it. With lot of details to be put on sometimes it may take time during the registration as well, hence E-Athenaeum allows us to issue the book quickly.

## Admin Login

E – ATHENAEUM system software simplifies all library activities. The system handles database maintenance, real-time reporting, and member communication. This saves the time, Admin login is thus where these activities take place.

## View Books

Allows users to browse through the available books in the inventory.

## Page for author details

A personalized author page which allows to add, update and delete author details. This will ensure better management.

## Page for publisher details

The publisher management page contains details about the publisher. This page can only modified by the admin. This will show details of the books store in the stock.

## Book Inventory

This allows to ability to add, edit and update books details present in the stock.

## Member management page

The member page enable admin to modify details about the members. This can be accessed only by the admin.

# Appendices

## Glossary

|  |  |
| --- | --- |
| **Acronyms** | **Definitions** |
| ASP | Active Server Pages |
| SQL | Structured Query Language |
| MSSQL | Microsoft Structured Query Language |
| UI | User Interface |
| ETC | Etcetera |

# Terms & Conditions

***Disclaimer: Please do not circulate or distribute this document outside of Cognizant Network, we have a Zero Tolerance Policy. Kindly adhere to 100% Compliance at all times.***

# Change Log

*Please note that this table needs to be maintained even if a Configuration Management tool is used.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version Number | Changes made | | | |
| V<n.n> | *<If the change details are not explicitly documented in the table below, reference should be provided here>* | | | |
| Page no | Changed by | Effective date | Changes effected |
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